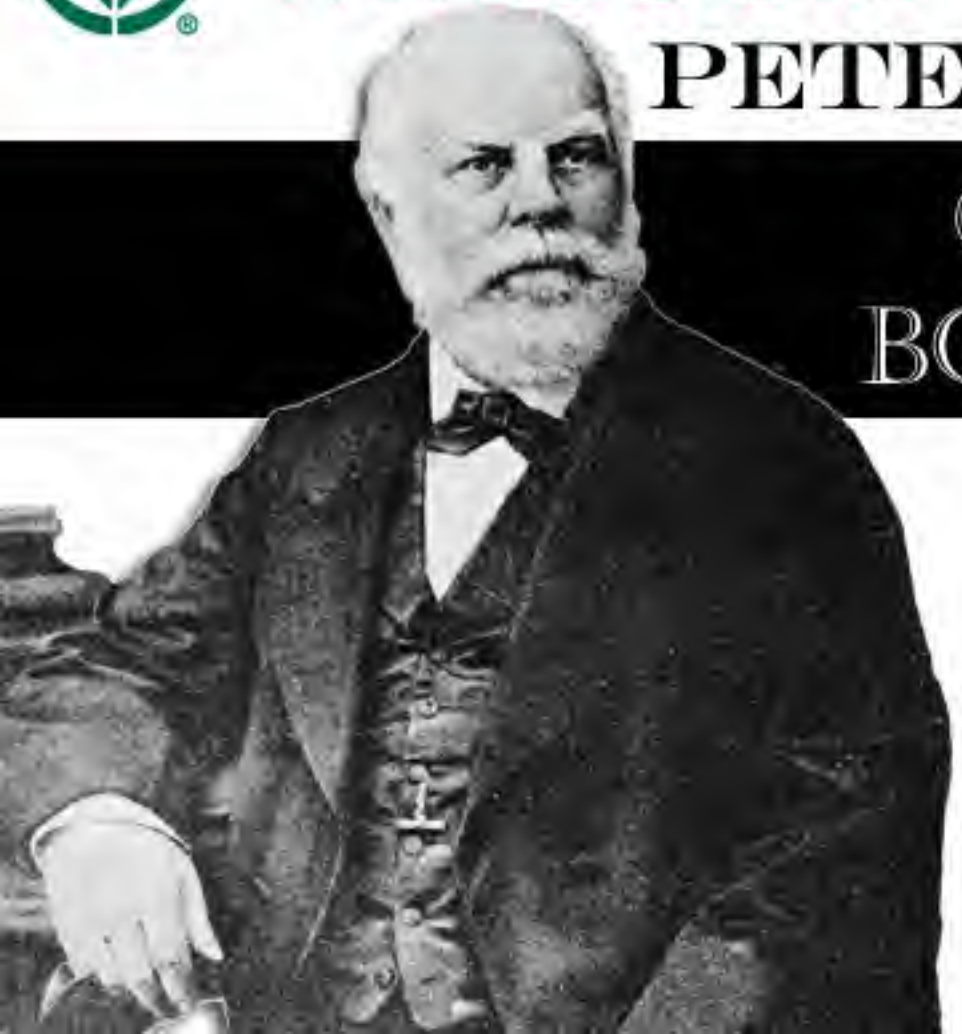
Missouri Botanical Garden
Peter H. Raven Library

George Engelmann Botanical Notebooks



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671-698

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MISSOURI BOTANICAL GARDEN

Cereus triangularis

671-680

Memoranda made at Venice, Jan 1858

Cereus triangularis, 20-30 feet high, Stem 3 alate, 4-5 inches broad; flowers readily; fl. open at night, 12 inches or more in diameter, white, very luxely scaly. Fruit present now, globose, oval red, 4-5 inches diameter, tuberculate and scaly. seeds small and shining.

Sept 1866 St Louis — Hb. Cesati — Bourgeau 2488

C. triangularis, flower — P. 5 — 5 — 5

Tube { S 5 — 4
N 1.1 — 1 — 2 - 2½
O 1 — 1 — 1

flower — 12 inches — 12

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Cereus triangularis

Mr Koenig's Park Avenue Garden Sept 2. 1866

flower nocturnal;
Open Sept 1st 6 p.m.
closed after midnight

18 Broad petals
5 exterior or intermediate petals
18 or 20 inner sepals, long
18 sepals of Tube
18 scales on ovary thick fleshy foliaceous

No corona of stamens separate
5 inches staminate part of tube
13 lines naked space, nectariferous, in base of tube
12 lines ovary

Inner petals shortest, broadest

25 stigmata united at base into a funnel

Style 3½ l diam
10 inches long

No corona of stamens separate, but stamens described obliquely
external stamens 3½ inch long
inner most 4 ¾ long
stamens distributed over 5 inches of tube
petals nearly 5 inches long
1 ½ - 1¾ inch broad

commencement of stamens

petal & ext stamens

cut of ovary

flower 13 inches long

8/13

1801

Neb. 23-12-27

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"Cereus quadangularis"

~~Hort.~~ Kew ex Hort Kew.

fr. in Alcohol, size of a goose egg, about 40 triangular scales

small umbilicus.

1802

The flower and branches, marked also C. quadangularis (in alcohol) seem to be the regular C. triangularis

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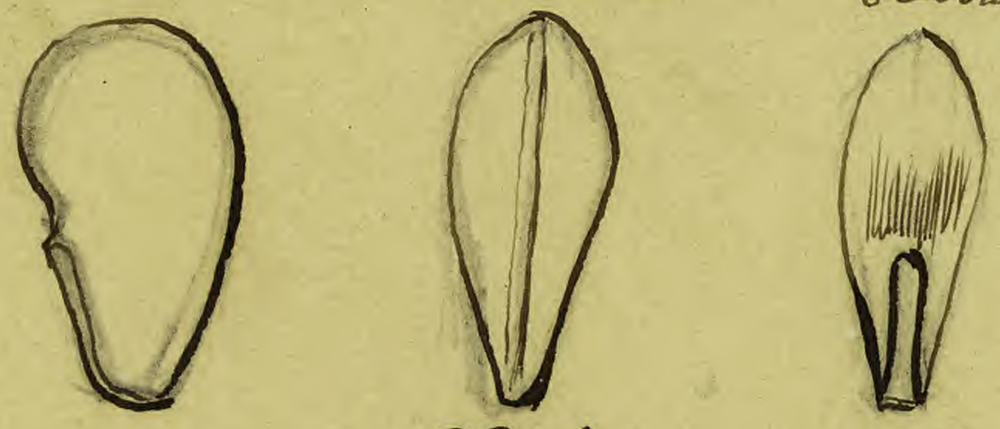
Carex triangularis

Hort. Bot. Venet.

1803

fruit collected Jan. 1858.

seed 1.3 – 1.4 l. long



smooth

Fem. shining black large, obovate
carinate on back
compressed, ventricose large, linear
ventral, and partly basal as it
curves over and entirely constitutes
the base of the seed

ALEX. LETSCH.
APOTHECARY & PHARMACEUTICAL
Marble Building, Cor. Fourth & Olive Sts., St. Louis, Mo.

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2488. Bourgeau, Orizaba 4 June 1866
Expl. Française; Hb Mus Par
Apt 1869

Cereus triangularis L

(C. quadrangularis, Bourgeau mss
rhed.)

stem, (2-3) short and deciduous, quite stout spines

bulbous at base

flower 10-12 inches long (dry)

nectarium, naked, cavity in base

of tube 2-2/2 inches long,

staminate part about 4 inches -

inf corona stamens abt 4 inch long

style stout with 15 or 20 filiform

subulate stigmata flexuous

apparently yellowish stile

Same in Hb. Kew Sept 1869

mixed with it another large flowered

white Cereus, no stem; sepals very

delicate, petaloid, while in triangles

they are fleshy - Corona of stamens

distant from other stamens

1804

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Hut in Mo
Pa
June 8 1861

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Paris April 1869

Cereus triangularis Mexicanus
fide W Weber, is rarely cultivated
but Ceases on walls, trees or shrubby
It is cultivated about Brijeba et
for its delicious fruit; Such key
the size of an ostrich egg, 25 cm
in circumference (thereby 7–8 cm
diameter, crowned outside
with about 15 green foliaceous
scales 3 cm. long, triangular
at base, fruit inside white
with black seed=

It is sold in the Markets, rather
insipid or acidulated, but with
wine and sugar most delicious.

C. triangularis varies said
to have a sacoothish fruit

C. triangularis var foliosus
= C. trigonus Haw has one
covered with leaves (sepaloid
scales) as above. 1805

To be compared

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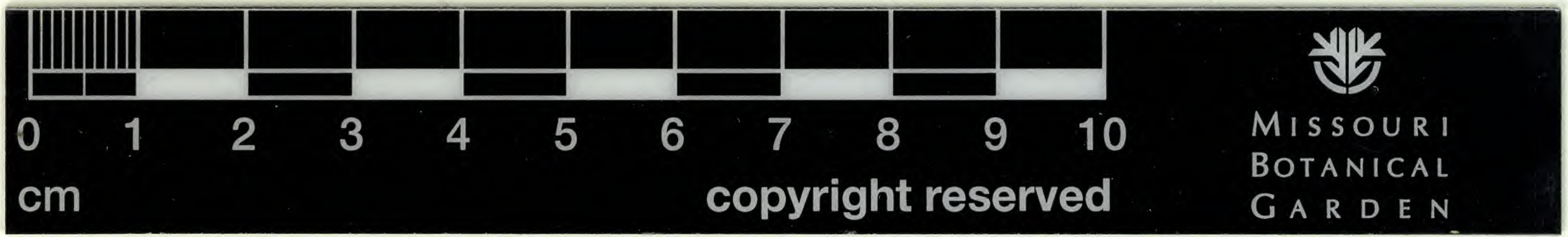
Kew Sept 69

Cereus triangularis Bot Mag. 1884

no good figure – stem well given; stigma

3 to 5 long – about 2 in –

1806



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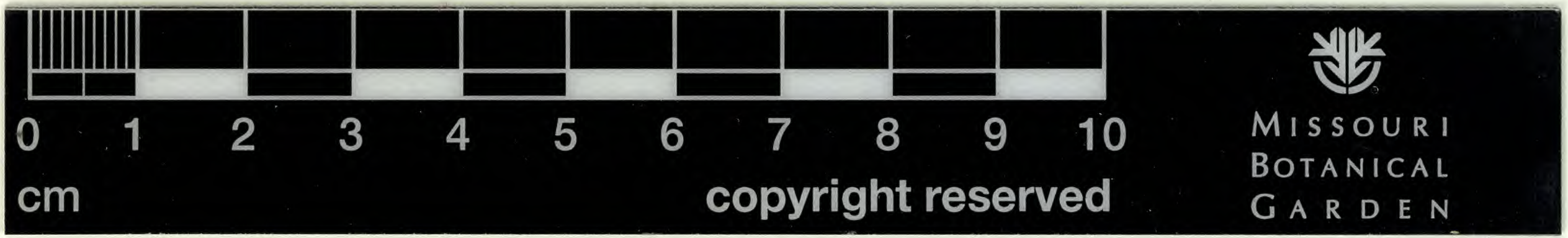

Kew Sept 1869

Carex triangularis 965 — H.C. Wight, India
— — — 966 — — — cult.

H — — — Holten N. Granada

— — — — Bourgeau Orizaba 2488

1807

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Herb. ry Mosenth.
Nov. 1857

18063

Caracas Mexico Kaminski

flowers but no trace of stem.

flowers white, with greenish (or obscurely yellow ish?)
sepals. 1 foot long.

Ovary covered by numerous foliaceous/linear oblong
sepals of tube lanceolate, large, foliaceous.
exterior ones acuminate; petals a little shorter,
broader, spathulate; exterior ones emarginate, interior
ones almost obtuse.
style thick with 15-20 filiform divisions

flowers similar to the C. triangularis of the Gardens
which has the same foliaceous sepals, but interior sepals
(yellow) — petals (white) much narrower, linear
acute; style also similar. perhaps Kaminski's
plant is only a ~~[illegible]~~ more robust form, the native
one.

Spikes of C. triangularis few — short, subulate;
similar to those of Schomb. Guiana but fewer.
the flowers in this herbarium is much worm eaten,
about 8 inches long.

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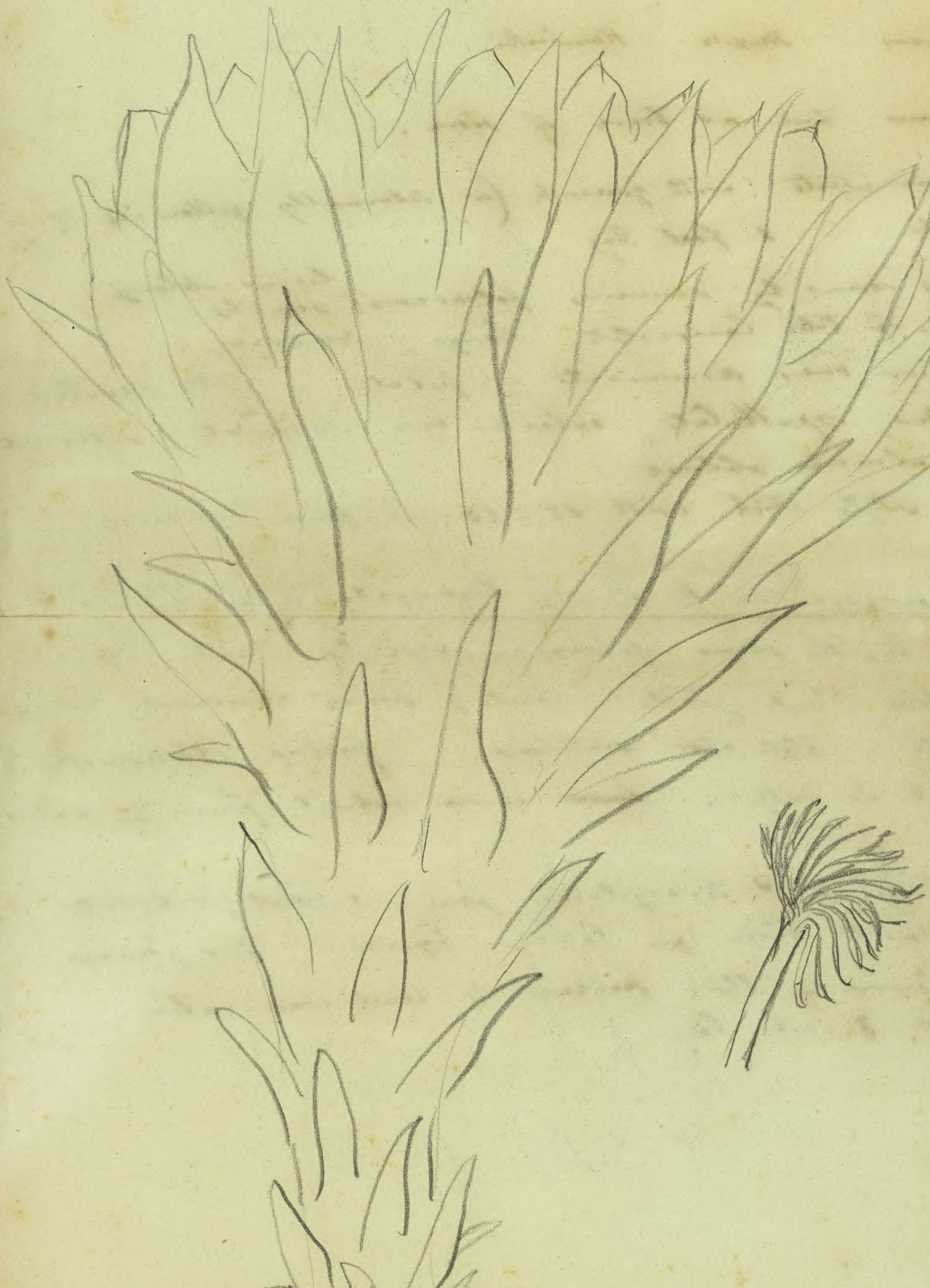
Cereus

Mexico Karwinski i. herb. reg. Monach



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Cereus triangularis Sept 2 1866
Koenig's Garden
St Louis

1809

X10

X4

Pollen X415

0.053 in diam

X60

6–8 ovules
on one
long branching
funiculus

fresh Pollen!
all the dried and then soaked
Pollen grains seem to be about 1/6 smaller
in diameter

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Alex. Leitch,

APOTHECARY & CHEMIST,

Cor. 4th & Olive Sts., St. Louis.

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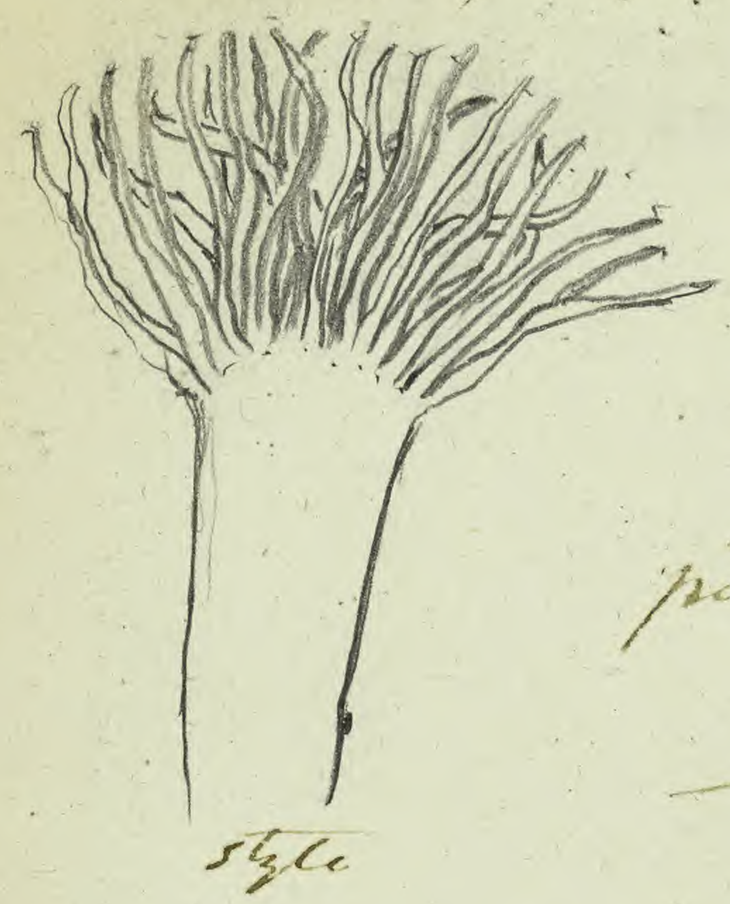
Dec 3d 1868

Cereus triangularis = Hb. Cesati

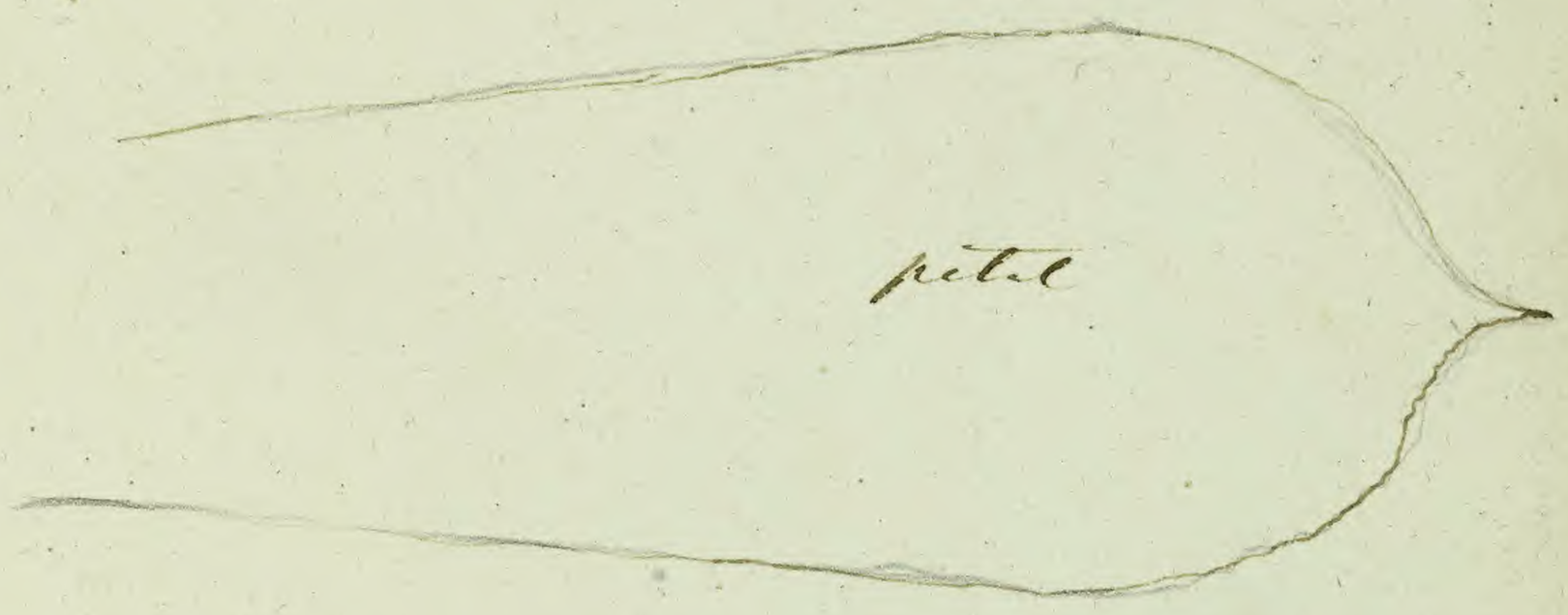
style very thick (5 lines diam. in dried specimen)
with 25 filiform subereut stigmata



style

stamens from the whole tube
with the exception of the lowest
space of one inch in length, which
is naked — no corona

petal cuspidate



petal

1810

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